

HIGH-DENSITY CARTRIDGE HEATERS

Optional Features

Built-in thermocouples

One optional feature on **MEGAWAT** cartridges is built-in thermocouples. These could be type "J" or "K", grounded or ungrounded, and attached either at the disc end or the middle of the cartridge.

Graphite coating

To facilitate their installation and removal, cartridges could be coated with a graphite-like substance. This solid lubricant doesn't increase the outside diameter, and is suitable for temperatures up to 750° F.

Moisture and contamination proofing

To protect cartridge heaters against moisture and contamination, Teflon lead wires are used and the lead end is sealed using Epoxy, RTV silicone or Teflon. The temperature limitation is 480° F.

Distributed wattage

In applications such as sealing bars or rubber molds, the two ends of a cartridge heater are usually colder than the middle. To overcome this inconsistency and have a uniformly distributed heat source, cartridges could be made to have higher wattages at the ends. 35/30/35 is a common wattage distribution.

Center-less grinding

In applications where superior heat transfer is required, the tolerance on the outside diameter could be improved to +/-0.001" by center-less grinding.

Zones and cold sections

We can also manufacture cartridges with cold sections and separate zones that can be controlled independently.